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BOARD OF OIL AND GAS CONSERVATION
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Vol. XXVI, No. 10 — October, 1977

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of October, 1977, averaged 91,742 barrels daily, an increase of 300 barrels from the average 91,442 production in September.

The six refineries in the state processed 124,366 barrels of crude oil daily for the month of October, a decrease of 6,798 barrels from the 131,164 barrels processed daily during the month of September.

During October, 29 wells were completed, 2 oil, 8 gas, and 19 dry holes.

During October, the Board issued 99 permits to drill new wells, an increase of 47 from the 52 permits issued during September.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF OCTOBER, 1977

IN STORAGE OCTOBER 1st	
By Producers	326,634
By Transporters	1,186,720
By Refiners	1,174,177
TOTAL STORAGE	2,687,531
Produced in Mont. During Month	2,844,003
Imported During Month	3,084,888
TOTAL	8,616,422
DISPOSITION	
Refined in Montana	3,855,347
Exported	1,891,333
Used for Fuel or Lost	10,451
TOTAL	5,757,131
IN STORAGE OCTOBER 31st	
By Producers	338,219
By Transportation	1,417,601
By Refiners	1,103,471
TOTAL STORAGE	2,859,291

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 15.05 LBS. AND 60°F. MONTH OF OCTOBER, 1977

Field	MC. Ft.
NATURAL:	
Alma	543
Bear's Den	2,366
Big Coulee	91,478
Black Coulee	4,932
Blackjack	31,303
Big Rock	164,612
Bowdoin	495,360
Bowes	—0—
Brown's Coulee	196
Bullwacker & Area	108,737
Canadian Coulee	51,795
Cedar Creek	146,256
Chip Creek	3,176
Clark Fork, North	988
Coal Coulee	5,050
Conrad-Butte	13,616
Cut Bank (including Reagan)	480,749
Dry Creek	45,421
Dry Creek, Middle	3,211
Ethridge	7,264
Flat Coulee	545
Fred & George	—0—
Fresno	6,916
Gold Butte	346
Grandview	8,187
Hardin	3,622
Haystack	33,946
Keith Block	75,921
Kevin Sunburst	408
Kevin Sunburst Nisku & Area	14,337
Kicking Horse	3,502
Kinyon Coulee Area	8,778
Lake Basin	16,071
Liscom Creek	21,732
Middle Butte	—0—
Miners Coulee	36,839
Mt. Lilly	—0—
Plevna	4,352
Prairie Dell	46,110
Pumpkin Creek	1,325
Rapelje	28,370
Rocky Boy Area	12,335
Sage Creek	—0—
Sawtooth Mountain & Area	159,817
Sherard	91,675
Strawberry Creek Area	630
Snoose Coulee	11,367
South Devon	13,578
South Shelby	34,682
Swanson Creek	5,199
Tiger Ridge	1,079,346
Trail Creek	—0—
Utopia	—0—
West Butte	—0—
Whitlash	6,561
Willow Ridge	—0—
ASSOCIATED:	
Bell Creek	29,813
Big Muddy	1,380
Blue Hill	1,159
Cabin Creek	18,040
Clark Fork, South	6,573
Elk Basin	14,469
Fairview	39,377
Four Mile Creek	7,919
Four Mile Creek, West	1,623
Glendive	—0—
Otis Creek	6,342
Pine	14,995
Richland	54,348
Sioux Pass	20,031
Sioux Pass, East	2,138
Sioux Pass, Middle	7,250
Sioux Pass, North	7,414
Sumatra	22,499
Tule Creek	7,080
TOTAL	3,646,000

Total withdrawals for October, 1976 were 3,502,893 MCF.

PRODUCERS' REPORT — MONTH OF OCTOBER, 1977

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By: Pipeline	Oil Shipped By: Truck	Used or Lost	Storage End of Month
3	Arch Apex	4	955	800	239	464	—	1,052
1	Ash Creek	2	365	801	—	889	—	297
1	Bainville	1	2,249	1,328	—	1,308	—	2,269
2	Bannatyne	2	607	475	—	475	—	607
4	Bears Den	5	1,188	774	—	914	—	1,048
15	Bell Creek	160	14,808	768,512	767,227	—	2,210	13,883
1	Benrud	2	204	171	—	221	—	154
3	Benrud East	3	1,691	10,488	7,931	2,413	—	1,835
1	Benrud Northeast	1	902	825	857	—	—	870
1	Berthelote	1	298	92	—	—	—	390
3	Big Gully	3	417	3,074	—	3,144	25	322
3	Big Muddy Creek	3	2,889	11,211	—	9,961	(27)	4,166
5	Big Wall	16	1,212	7,065	6,988	—	—	1,289
1	Blackfoot	6	353	1,630	1,665	—	—	318
1	Blue Hill	1	501	1,525	—	1,412	—	814
6	Border	11	1,876	1,720	—	2,469	—	1,127
1	Boulder	1	605	2,076	—	1,881	—	800
1	Bowes	61	3,936	10,537	—	10,504	—	3,969
1	Bradley	1	385	549	—	783	—	151
2	Breed Creek	5	1,535	15,240	—	15,436	—	1,339
5	Brorson-Madison	5	2,453	2,634	—	2,689	—	2,398
4	Brorson-Red River	4	4,578	7,895	—	7,224	—	5,249
3	Brorson-Red River S	3	1,443	7,046	—	7,259	—	1,230
5	Brush Lake	5	1,266	9,352	9,715	—	—	903
1	Burns Creek	1	571	812	—	799	—	384
2	Cabin Creek	85	—	143,813	143,813	—	—	—
1	Canal	1	564	2,786	—	2,641	—	709
10	Cat Creek	58	2,065	9,016	8,953	—	—	2,128
2	Charlie Creek	2	1,297	13,164	—	13,279	—	1,182
—	Clarks Fork	—	37	—	—	—	—	37
1	Clarks Fork North	1	369	214	—	230	—	353
1	Clarks Fork South	1	1,129	97	—	378	—	848
2	Clear Lake	2	301	10,208	—	9,269	—	1,240
2	Conrad South	2	190	334	—	434	—	90
1	Cow Creek	1	148	451	496	—	—	103
8	Cow Creek East	10	4,391	21,768	22,420	—	—	3,739
1	Culbertson	1	591	566	—	819	—	338
6	Cupton	8	5,001	7,810	—	9,984	—	2,827
92	Cut Bank	860	33,811	165,662	139,727	27,927	(1,756)	33,575
1	Dagmar	2	727	8,949	8,539	—	—	1,137
1	Dean Dome	1	598	1,214	—	1,412	—	400
1	Deer Creek	1	335	751	885	—	—	201
1	Delphia	1	55	1	—	—	—	56
—	Devils Basin	—	294	—	—	—	—	294
6	Dry Creek	6	786	2,703	—	2,685	—	804
2	Dwyer	10	3,844	14,633	14,084	—	—	4,393
3	Elk Basin	51	523	86,352	86,376	—	—	499
2	Elk Basin Northwest	4	1,650	1,574	1,469	417	95	1,243
5	Fairview	9	7,299	23,263	23,057	—	—	7,505
2	Fertile Prairie	2	917	1,253	—	1,390	—	780
3	Flat Coulee	19	1,867	10,272	9,757	—	—	2,382
7	Flat Lake	39	2,278	47,584	47,879	—	—	1,983
5	Flat Lake South	5	1,643	3,404	3,778	—	—	1,269
1	Fort Gilbert	2	815	3,666	3,757	—	—	724
1	Four Mile Creek	1	3,735	7,092	—	10,496	—	331
1	Four Mile Creek West	1	755	2,053	—	2,067	—	741
1	Frannie	1	—	720	720	—	—	—
10	Fred & George Creek	31	4,206	37,387	36,657	761	—	4,175
1	Froid South	1	833	765	—	819	—	779
1	Gage	1	54	104	—	—	—	158
3	Gas City	14	4,101	9,663	3,582	2,728	—	7,454
1	Girard	1	1,230	698	—	864	—	1,064
11	Glendive	15	2,690	20,794	13,742	7,120	—	2,622
—	Golden Dome	—	350	—	—	—	—	350
12	Goose Lake	19	4,065	16,104	16,714	—	—	3,455
12	Graben Coulee	35	3,354	3,928	2,347	1,599	54	3,282
1	Grandview East	1	102	231	—	212	—	121
4	Gumbo Ridge	6	800	4,330	—	4,495	—	635
—	Gypsy Basin	—	908	—	—	—	—	908
2	Hay Creek-Mission	2	988	774	762	—	—	1,000
2	Hay Creek-Red River	2	1,582	3,830	3,816	—	—	1,596
4	Hiawatha	4	1,378	4,604	4,249	—	—	1,733
1	Hibbard	1	518	326	—	220	—	624
6	High Five	11	3,165	7,003	7,034	—	—	3,134
—	Highview	—	25	—	—	—	—	25
1	Horse Creek	1	674	101	—	208	—	567
2	Howard Coulee	2	522	2,006	—	2,241	—	287
5	Ivanhoe	10	1,500	2,227	2,748	—	—	979
2	Jim Coulee	16	3,442	23,648	24,005	—	—	3,085
5	Keg Coulee	16	3,101	7,514	7,238	—	—	3,377
2	Keg Coulee North	2	1,078	812	879	—	—	1,011
1	Kelley	3	809	2,188	2,298	—	—	699
96	Kevin Sunburst	512	13,051	30,164	206	29,624	28	13,357
1	Laird Creek	10	637	2,042	1,768	—	—	911
1	Landslide Butte	1	418	121	—	—	—	539
2	Leary	2	1,881	2,788	—	3,432	—	1,237
2	Little Beaver	23	158	35,974	35,976	—	—	156
3	Little Beaver East	10	2,219	11,357	10,610	498	—	2,468
12	Little Wall Creek	13	4,043	18,529	18,671	—	—	3,901
1	Lodge Grass	1	373	592	—	311	—	654
2	Lone Butte	2	1,227	3,979	—	3,867	—	1,339
6	Lonetree Creek	6	3,194	12,399	—	12,685	—	2,908
1	Long Creek	1	438	609	658	—	—	389
1	Long Creek West	1	468	4,445	4,616	—	—	297
3	Lookout Butte (Coral Creek)	29	812	51,621	51,544	—	—	889
2	Mason Lake	2	53	241	—	—	—	294
5	Melstone	9	896	13,739	13,317	—	173	1,145
1	Mineral Bench	1	550	430	—	430	—	550
2	Miners Coulee	2	282	423	241	—	—	464
7	Mon Oak West	7	3,798	40,254	—	36,919	—	7,133
10	Monarch	15	3,237	12,210	8,712	3,639	—	3,096
3	Mosser	10	—	596	—	596	—	—
1	Nohly	2	1,096	6,915	—	7,137	3	871
1	North Fork	2	997	5,405	—	5,778	—	624
4	Otis Creek	4	2,431	9,438	—	9,220	—	2,649
6	Outlook	8	1,822	19,722	20,147	—	—	1,397
1	Outlook South	1	265	806	—	—	—	1,071
2	Outlook West	2	1,290	840	721	—	—	1,409
1	Pennel	117	1,024	247,012	246,834	—	—	1,202
3	Pine	102	13,024	188,103	186,645	1,155	—	13,327
68	Pondera	304	4,783	23,961	16,479	6,320	—	5,945
1	Pondera Coulee	1	—	213	—	213	—	—
6	Poplar	60	7,523	38,437	36,535	430	—	8,995
10	Poplar Northwest	14	2,944	16,335	15,791	429	100	2,959
1	Prairie Elk	1	847	488	—	661	—	674
1	Prichard Creek	4	235	1,035	708	—	—	562
1	Putnam	2	812	2,348	—	2,468	—	692
3	Rabbit Hills	3	1,575	4,557	—	4,612	—	1,520
11	Ragged Point	24	3,747	6,976	6,140	—	—	4,583
2	Rattler Butte	2	300	666	—	632	—	334
2	Rattlesnake Coulee	2	641	245	—	235	—	651
2	Raymond	5	1,982	19,702	19,241	—	—	2,443
1	Raymond Northeast	1	715	584	815	—	—	484
3	Reagon	48	777	16,585	16,648	—	—	714
1	Red Creek	19	—	7,618	7,618	—	—	—
1	Red Fox	1	170	234	253	—	—	151
1	Redstone	1	443	1,144	—	1,275	—	312
1	Repeat	1	820	1,322	—	1,357	—	785
3	Reserve	3	2,250	1,837	1,412	—	—	2,675
2	Richey	3	364	3,014	2,313	844	—	221
1	Richey Southwest	5	423	987	—	855	—	555
2	Rip Rap Coulee	2	1,043	1,692	—	1,629	—	1,106
4	Rosebud	4	1,400	2,709	2,992	—	—	1,117
1	Rush Mountain	1	429	2,028	—	2,263	—	194
2	Salt Lake	3	644	1,777	—	1,851	—	570
2	Sand Creek	4	402	2,576	2,576	—	—	402
3	Second Creek	3	1,353	20,242	—	20,397	—	1,198
2	Sheepherder	3	627	500	500	—	—	627
4	Sidney	4	2,352	7,097	—	7,618	—	1,831
7	Sioux Pass	7	4,140	28,505	—	27,333	—	5,312
1	Sioux Pass East	1	265	2,208	—	2,325	—	148
2	Sioux Pass Middle	2	1,029	9,557	—	9,008	—	1,578
6	Sioux Pass North	6	3,841	12,233	—	11,173	—	4,901
1	Snyder	3	426	625	—	604	—	447
8	Soap Creek	23	2,574	4,933	—	4,158	—	3,349
2	South Fork	2	1,409	12,454	—	11,857	—	2,006
1	Spring Lake	2	662	2,426	—	2,079	—	1,009
1	Stensvad	3	1,759	3,216	3,288	—	—	1,687
28	Sumatra	110	10,520	152,449	151,366	—	314	11,289
5	Tule Creek	5	2,117	13,532	11,694	—	—	3,955
1	Tule Creek East	1	1,080	473	878	—	7	668
2	Tule Creek South	3	429	1,284	—	835	—	878
3	Vaux	3	3,477	11,523	—	11,237	—	3,763
1	Veux South	1	348	7,590	—	6,756	—	1,182
2	Vida	2	481	259	—	—	—	740
6	Volt	6	3,126	8,306	8,445	—	—	2,987
1	Wagon Box	1	448	112	—	218	—	342
1	Weed Creek	1	438	772	—	765	—	445
2	Weldon	2	1,210	695	680	—	—	1,225
1	West Butte	1	—	711	711	—	—	—
29	Whitlash	61	12,035	10,446	8,513	2,660	—	11,308
—	Whitlash West	—	284	—	—	—	—	284
2	Willow Creek North	2	295	786	510	—	—	571
1	Willow Ridge	1	—	418	—	418	—	—
3	Wills Creek South	3	—	2,838	2,838	—	—	—
3	Winnett Junction	6	503	3,022	—	2,825	—	700
2	Wolf Springs	2	482	1,078	—	1,016	—	544
—	Womans Pocket	—	271	—	—	—	—	271
2	Woodrow	2	544	1,523	2,021	—	—	46
2	Wright Creek	3	574	1,209	—	—	—	1,783
1	Wildcat, Big Horn Co	1	133	467	—	377	—	223
3	Wildcat, Liberty Co	4	765	3,637	—	3,800	—	602
—	Wildcat, McCone Co	—	52	—	—	—	—	52
1	Wildcat, Musselshell Co	1	135	189	216	—	—	108
6	Wildcat, Richland Co	6	2,659	23,360	—	22,427	—	3,592
1	Wildcat, Roosevelt Co	1	849	3,840	—	4,073	—	616
4	Wildcat, Toole Co	4	1,010	2,367	—	2,290	—	1,087
1	Wildcat, Wibaux Co	1	204	455	—	408	—	251
800	TOTAL	3,394	326,634	2,844,003	2,358,250	472,942	1,226	338,219

TRANSPORTERS MONTHLY REPORT—MONTH OF OCTOBER, 1977

	Storege First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			869				869		
BAINVILLE—Koch Oil Co. & Portel Pipeline			1,308				1,308		
BEAR'S DEN—Phillips Petr.			914			914			
BELL CREEK—Pipeline	25,075	767,227		131,963			893,139		31,126
BIG GULLY—Western Crude & Husky Oil			3,144				1,594	1,550	
BIG MUDDY—Koch Oil & Bleck Hills Marketers			9,961				9,961		
BIG WALL—Continental		6,988				6,988			
BORDER—Permian & N. M.O.S.			2,469			1,867		602	
BOULDER—R. P. Treding Co.			1,881				1,881		
BOWES—Koch Oil Co.			10,504				10,504		
BREED CREEK—Bleck Hills Oil Merketers			15,436			15,436			
BRORSON-MADISON, BRORSON-REO RIVER & BRORSON R.R SOUTH—Koch Oil Co.			14,479					14,479	
Western Crude Oil			2,693					2,693	
			17,172					17,172	
BRUSH LAKE—Portet Pipeline Co.		9,715					9,715		
BURNS' CREEK—Western Crude Oil			799					799	
CABIN CREEK & OTHERS[1]									
Butte Pipeline Co.	239,245	390,096	28,368	749,030			1,005,877	131,963	268,899
Shell Pipeline Co.	2,835	296,876			(1,349)			298,460	2,600
	242,080	686,972	28,368	749,030	(1,349)		1,005,877	430,423	271,499
CANAL—Koch Oil Co.			2,641					2,641	
CAT CREEK—Continental Pipeline		8,953				8,953			
CHARLIE CREEK—Black Hills Oil Merketers			13,279					13,279	
CLARKS FORK—Husky Oil			608				608		
CLEAR LAKE—Westco & U.S. Crude			9,269			7,724	1,545		
COW CREEK & COW CREEK EAST—Western Crude Oil, Inc.		22,916						22,916	
CUT BANK—									
Permian Corp.			24,936					24,936	
Phillips Petroleum Co.	19,892	53,825	7,162	68,445	214	114,293		10,611	24,206
Texas Pipeline Co.	15,680	13,875						10,780	18,775
Union Oil Co.	46,986			54,112	1,225	39,294		6,473	54,106
Western Oil Trans. Co.		28,111						28,111	
Western Oil Trans Co. (Moulton)		15,051						15,051	
	82,558	110,862	32,098	122,557	1,439	153,587		95,962	97,087
DAGMAR—Portat Pipeline		8,539					8,539		
DEAN OOME—Cenex			1,412			1,412			
DRY CREEK—Husky Oil			2,685				2,685		
OWYER—Portal Pipeline Co.		14,084					14,084		
ELK BASIN & ELK BASIN N.W.—									
Marathon Pipeline		87,845			5	43,004	44,836		
Permian Corp			417			417			
		87,845	417		5	43,421	44,836		
FAIRVIEW—									
Fairview Pipeline Co.		5,328						5,328	
Koch Oil Co.		17,729						17,729	
		23,057						23,057	
FLAT COULEE—Phillips Petr.		9,757				9,757			
FLAT LAKE & FLAT LAKE S.—									
Portal Pipeline		51,657					51,657		
FORT GILBERT—Fairview Pipeline		3,757						3,757	
FOUR MILE CREEK—Western Crude & U.S Crude.			12,563					12,563	
FRANNIE—Interstate Pipeline Co.		720				720			
FREO & GEORGE CREEK—Phillips Petr.	12,396	36,657	761		954	35,184			13,676
GIRARO—Koch Oil Co.			864					864	
GAS CITY, GLENDIVE, OEER CREEK, WOOOROW & SANO CREEK—Koch Oil Co.			3,370					3,370	
Texas Pipeline Co.	7,216	22,806						23,578	6,444
	7,216	22,806	3,370					26,948	6,444
GOOSE LAKE—Portal Pipeline		16,714					16,714		
GUMBO RIOGE—Permian			4,495					4,495	
HAY CREEK—Koch Oil & Westco		4,578				1,492		3,086	
HIAWATHA—Continentel Pipeline Co.		4,249				4,249			
HOWARD COULEE—Permian			2,241					2,241	
IVANHOE—Continental Pipeline		2,748				2,748			
JIM COULEE—Continental Pipeline		24,005				24,005			
KEG COULEE & KEG COULE N.— Continental Pipeline		8,117				8,117			
KELLEY—Continental Pipeline Co.		2,298				2,298			
KEVIN SUNBURST—									
Big West Oil Co.	13,685	34,663						23,925	24,423
Homestake Oil & Gas Co.	2,740	5,034				5,314			2,460
Texas Pipeline Co.	22,819	7,520		22,841	7,000	28,433		9,273	8,474
Northern Mont Oil Service	1,600		29,810			29,422			1,988
	40,844	47,217	29,810	22,841	7,000	63,169		33,198	37,345
LAIRO CREEK—Phillips Petr		1,768				1,768			
LEARY—Western Crude			3,432					3,432	
LODGE GRASS—Permian			311			311			
LONE TREE CREEK—Koch Oil Co			12,685					12,685	
MELSTONE—Continental Pipeline		13,317				13,317			
MIDDLE WALL—Continental Pipeline[2]		19,181				19,181			
MINERAL BENCH—Western Crude			430					430	
MON DAK WEST—Western Crude			36,919			16,224		20,695	
MOSSER—Permian			596			596			
NOHLY—Koch Oil Col			7,137					7,137	
NORTH FORK—Koch Oil Co			5,778			876		4,902	
OTIS CREEK—Western Crude			9,220		3	6,177	3,040		
OUTLOOK, OUTLOOK S. & OUTLOOK WEST Portal Pipeline Co.		20,868					20,868		
PONDERA—Phillips Petr	21,945	16,479	7,442		122	9,826			35,918
POPLAR AREA—East Poplar Gether.[3]	9,387	89,971			2,430		91,811		5,117
PRAIRIE ELK—Western Crude			661					661	
PUTNAM—Western Crude			2,468					2,468	
RABBIT HILLS—Koch Oil			4,612			526	4,086		
RAGGED POINT—Continental Pipeline		6,140				6,140			
RATTLER BUTTE—Continentel Oil			632			632			
RAYMOND—Portal Pipeline		20,056					20,056		
RED CREEK—Western Oil Trens		7,618						7,618	
REDSTONE—Koch Oil & Portal Pipeline			1,275				1,275		
RESERVE—Portal Pipeline		1,412		13,279			14,691		
RIP RAP COULEE—Koch Oil			1,629				1,629		
ROSEBUD—Continental Pipeline		2,992				2,992			
RUSH MOUNTAIN—Koch Oil & Portal Pipeline			2,263				2,263		
SALT LAKE—Koch Oil & Portel Pipeline			1,851				1,851		
SECONO CREEK—Koch Oil & Westco			20,397			1,715		18,682	
SHEEPHERDER—Continentel Pipeline		500				500			
SIONEY—Western Crude			7,618					7,618	
SIOUX PASS—Western Crude & Koch Oil			49,839			19,316		30,523	
SNYDER—Permian			604				604		
SOAP CREEK—Permian			4,158					4,158	
SOUTH FORK—Koch Oil & Portal Pipeline			11,857				11,857		
SPRING LAKE—Koch Oil			2,079					2,079	
SUMATRA, STENSVAO & HIGH FIVE—Continental Pipeline[4]	738,169	161,688		81,612	(1,432)	75,502			907,399
TULE CREEK, BENRUD, VOLT & OTHERS—[5] Kenco Refiners & Western Crude	7,050		9,077		53	4,084			11,990
VAUX—Western Crude & Koch Oil			17,993			9,836	6,756	1,401	
WEEK CREEK—Black Hills Oil Merketers			765			765			
WELOON—Western Crude		680						680	
WHITLASH & WHITLASH WEST— Phillips Petr.		8,513	2,660			11,173			
WINNETT JUNCTION—Truck.			2,825			2,825			
WOLF SPRINGS—Permian			1,016					1,016	
WILOCAT WELLS		216	33,375			10,260	4,073	19,258	
TOTAL	1,186,720	2,353,837	472,942	1,121,262	9,225	606,583	2,260,376	840,996	1,417,601

[1]Cabin Creek, Little Beaver, Lookout Butte, Monarch, Pennel, Pine, & Wills Creek South.
[2]Little Wall Creek, & Willow Creek North.
[3]Benrud, Long Creek, Poplar, Richey, Tule Creek, Volt, & Red Fox.
[4]Benrud, Blue Hills, Culbertson, Frold South, Poplar, Richie, Tule Creek South, & Vida.

*Includes various fields in northwestern and central Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA
OCTOBER, 1977

	Continental Oil Co.	Exxon Co.	Farmers Union	Kenco Ref., Inc.	Phillips Petr. Co.	Westco Ref. Co.	TOTAL
Big Wall	———	———	6,988	———	———	———	6,988
Breed Creek	———	———	15,436	———	———	———	15,436
Cat Creek	2,253	———	6,700	———	———	———	8,953
Cut Bank & Others*	91,411	5,033	50,990	———	61,125	102,815	311,374
Elk Basin	19,015	23,989	417	———	———	———	43,421
Flat Coulee	———	———	———	———	———	9,757	9,757
Fred & George Creek	———	———	———	———	32,596	———	32,596
Ivanhoe	2,748	———	———	———	———	———	2,748
Jim Coulee	24,005	———	———	———	———	———	24,005
Keg Coulee	6,825	———	2,196	———	———	———	9,021
Kelley	———	2,298	———	———	———	———	2,298
Kevin-Sunburst	———	———	———	———	———	22,862	22,862
Lodge Grass	———	———	311	———	———	———	311
Mason Lake	———	———	———	———	———	———	———
Melstone	———	———	13,317	———	———	———	13,317
Mosser	596	———	———	———	———	———	596
Pondera	———	———	———	———	5,395	———	5,395
Ragged Point	6,140	———	———	———	———	———	6,140
Rosebud	2,992	———	———	———	———	———	2,992
Richey Southwest	———	———	———	1,701	———	———	1,701
Snyder	———	———	604	———	———	———	604
Sumatra, Stensvad & High Five	117,904	5,676	37,853	———	———	———	161,433
Tule Creek & Others	———	———	———	63,661	———	———	63,661
Vaux	———	———	———	9,836	———	———	9,836
Volt	———	———	———	———	———	———	———
Whitlash	———	———	———	———	———	11,173	11,173
Winnett Junction	———	———	2,825	———	———	———	2,825
Wolf Springs	———	1,016	———	———	———	———	1,016
TOTAL Montana Oil	273,889	38,012	137,637	75,198	99,116	146,607	770,459
N. Dakota Oil Imported	———	———	17,063	———	———	———	17,063
Canadian Oil Imported	600,279	294,882	469,425	———	51,429	———	1,416,015
Wyoming Oil Imported	389,052	783,297	479,461	———	———	———	1,651,810
TOTAL Mont., N. Dak., Can. & Wyo. Oil Imported	1,263,220	1,116,191	1,103,586	75,198	150,545	146,607	3,855,347

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	N. Dakota	TOTAL
Year 1976	23,272	64,192	50,029	———	137,493
October, 1976	19,489	72,834	42,102	———	134,425
October, 1977	24,854	45,678	53,284	550	124,366

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming	N. Dakota
Year 1976	16.93%	46.69%	36.38%	———
October, 1976	14.50%	54.18%	31.32%	———
October, 1977	19.98%	36.73%	42.85%	.44%

Total Oil Produced and Shipped from Leases	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
Year, 1976	304,047	1,335,168	1,134,168	2,773,383
First Quarter, 1977	328,392	1,068,110	1,390,454	2,786,956
Second Quarter, 1977	310,968	1,319,341	1,412,890	3,043,199
Third Quarter, 1977	326,634	1,186,720	1,174,177	2,687,531
October, 1977	338,219	1,417,601	1,103,471	2,859,291

Oil In Storage	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1976	32,840,600	89,728	32,839,588	89,726
First Quarter, 1977	8,048,345	89,426	7,621,387	84,682
Second Quarter, 1977	8,198,925	90,098	8,205,476	90,170
Third Quarter, 1977	8,315,069	90,381	8,289,729	90,106
October, 1977	2,844,003	91,742	2,831,192	91,329